

Set	Items	Description
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? set hi	;set hi	
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HIGHLIGHT	set on as	''
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HIGHLIGHT	set on as	''
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? begin	5,55,154,156,155,312,399,biotech,biosci	
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Set	Items	Description
? s (retrovir? or lentivir?) (10n) bind? (10n) (fibronectin? or polylysine or DEAE-dextran or collagen or fibroblast (n) growth (n) factor)		
Processing		
Processed	10 of 41 files	...
Processing		
Processed	20 of 41 files	...
Processing		
Completed processing all files		
	693745	RETROVIR?
	107070	LENTIVIR?
	6623174	BIND?
	219713	FIBRONECTIN?
	26032	POLYLYSINE
	793	DEAE-DEXTRAN
	790981	COLLAGEN
	612989	FIBROBLAST
	9392059	GROWTH
	8063916	FACTOR
	194876	FIBROBLAST(N)GROWTH(N)FACTOR
S1	123	(RETROVIR? OR LENTIVIR?) (10N) BIND? (10N) (FIBRONECTIN? OR POLYLYSINE OR DEAE-DEXTRAN OR COLLAGEN OR FIBROBLAST (N) GROWTH (N) FACTOR)
? s s1 and gene (n) therapy		
Processing		
Processed	10 of 41 files	...
Processing		
Processed	30 of 41 files	...
Completed processing all files		
	123	S1
	9159538	GENE
	11541392	THERAPY
	362415	GENE(N)THERAPY
S2	44	S1 AND GENE (N) THERAPY
? s s2 and (antibod? or laminin or high (n) mannose)		
Processing		
Processed	10 of 41 files	...
Completed processing all files		
	44	S2
	4700372	ANTIBOD?
	123806	LAMININ
	17615500	HIGH
	150299	MANNOSE
	14157	HIGH(N)MANNOSE
S3	2	S2 AND (ANTIBOD? OR LAMININ OR HIGH (N) MANNOSE)
? d s3/3/1-2		
Display 3/3/1 (Item 1 from file: 399)		
DIALOG(R)File 399:CA SEARCH(R)		
(c) 2006 American Chemical Society. All rts. reserv.		

132074515 CA: 132(7)74515n PATENT
 Gene transfer methods using retroviral vectors and enhancement with a combination of viral particles- and target cells-binding substances
 INVENTOR(AUTHOR): Ueno, Mitsuhiro; Yoshioka, Hirofumi; Konishi, Haruko; Hashino, Kimikazu; Morishita, Mio; Chono, Hideto; Miyamura, Tsuyoshi; Sano, Mutsumi; Asada, Kiyozo; Fujinaga, Kei; Kato, Ikunoshin
 LOCATION: Japan,
 ASSIGNEE: Takara Shuzo Co., Ltd.
 PATENT: PCT International ; WO 200001836 A1 DATE: 20000113
 APPLICATION: WO 99JP3403 (19990625) *JP 98186240 (19980701) *JP 9956915 (19990304)
 PAGES: 67 pp. CODEN: PIXXD2 LANGUAGE: Japanese

PATENT CLASSIFICATIONS:

CLASS: C12N-015/86A; C07K-014/78B

DESIGNATED COUNTRIES: AE; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS;

-more-

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Display 3/3/1 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2006 American Chemical Society. All rts. reserv.

JP; KE; KG; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SL; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

- end of record -

?

Display 3/3/2 (Item 2 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2006 American Chemical Society. All rts. reserv.

130021348 CA: 130(3)21348n PATENT

Retroviral envelopes having modified hypervariable polyproline regions

INVENTOR(AUTHOR): Anderson, W. French; Wu, Bonnie Weimin

LOCATION: USA

ASSIGNEE: University of Southern California

PATENT: PCT International ; WO 9851700 A1 DATE: 19981119

APPLICATION: WO 98US9718 (19980513) *US 856074 (19970514)

PAGES: 78 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07H-021/04A; C07H-021/02B; C12N-015/11B; C12N-015/64B;

C12N-015/00B; C07K-001/00B; C07K-014/00B; C07K-017/00B

DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IL; IS; JP; KE; KG; KP; KR; KZ; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; TM; TR; TT; UA; UG; US; UZ; VN; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY;

-more-

? d s3/9/2

Display 3/9/2 (Item 2 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2006 American Chemical Society. All rts. reserv.

130021348 CA: 130(3)21348n PATENT

Retroviral envelopes having modified hypervariable polyproline regions

INVENTOR(AUTHOR): Anderson, W. French; Wu, Bonnie Weimin

LOCATION: USA

ASSIGNEE: University of Southern California

PATENT: PCT International ; WO 9851700 A1 DATE: 19981119

APPLICATION: WO 98US9718 (19980513) *US 856074 (19970514)

PAGES: 78 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07H-021/04A; C07H-021/02B; C12N-015/11B; C12N-015/64B;

C12N-015/00B; C07K-001/00B; C07K-014/00B; C07K-017/00B

DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IL; IS; JP; KE; KG; KP; KR; KZ; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; TM; TR; TT; UA; UG; US; UZ; VN; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY;

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Display 3/9/2 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.
DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI;
CM; GA; GN; ML; MR; NE; SN; TD; TG

SECTION:

CA203002 Biochemical Genetics

CA263XXX Pharmaceuticals

IDENTIFIERS: retrovirus vector envelope protein modification targeting,
gene therapy retrovirus vector envelope targeting

DESCRIPTORS:

Extracellular matrix...

collagen-binding domain for targeting to; retroviral envelopes having
modified hypervariable polyproline regions

Collagens,biological studies... Env glycoproteins... Envelope proteins...

Gene therapy... Murine leukemia virus... Plasmid vectors... Retroviral
vectors... Transduction(genetic)...

retroviral envelopes having modified hypervariable polyproline regions

Antibodies... Single chain antibodies...

targeting protein; retroviral envelopes having modified hypervariable

-more-

?

Display 3/9/2 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.
polyproline regions
CAS REGISTRY NUMBERS:
214344-77-1 collagen-binding domain; retroviral envelopes having modified
hypervariable polyproline regions
216302-34-0 modifiable wild-type amino acid sequence; retroviral envelopes
having modified hypervariable polyproline regions
216251-78-4 modifiable wild-type nucleotide sequence; retroviral envelopes
having modified hypervariable polyproline regions

- end of record -

?

? s s2 and wash (5n) substrate?

44 S2

91193 WASH

2953488 SUBSTRATE?

229 WASH(5N)SUBSTRATE?

S4 0 S2 AND WASH (5N) SUBSTRATE?

? s s2 and wash? (5n) substrate?

44 S2

825296 WASH?

2953488 SUBSTRATE?

2483 WASH?(5N)SUBSTRATE?

S5 0 S2 AND WASH? (5N) SUBSTRATE?

? s s2 and sodium (n) butyrate

44 S2

3390530 SODIUM

105913 BUTYRATE

16078 SODIUM(N)BUTYRATE

S6 0 S2 AND SODIUM (N) BUTYRATE

? s s2 and hematopoietic (n) stem

44 S2

463115 HEMATOPOIETIC

1286122 STEM

189453 HEMATOPOIETIC(N)STEM

S7 20 S2 AND HEMATOPOIETIC (N) STEM

? rd s7

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S8 6 RD S7 (unique items)

? d s8/3/1-6

Display 8/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 The Thomson Corporation. All rts. reserv.

0010517289 BIOSIS NO.: 199699151349

Colocalization of retrovirus and target cells on specific fibronectin fragments increases genetic transduction of mammalian cells

AUTHOR: Haenenberg Helmut; Xiao Xiang Li; Dilloo Dagmar; Hashino Kimikazu; Kato Ikunoshin; Williams David A (Reprint)

AUTHOR ADDRESS: Sect. Pediatric Hematol./Oncol., Herman B. No. Wells Cent.

Pediatric Res., Riley Hosp. Children, Indiana Univ. Sch. Med., 702

Barnhill Drive, Indianapolis, IN 46202-5225, USA**USA

JOURNAL: Nature Medicine 2 (8): p876-882 1996 1996

ISSN: 1078-8956

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 8/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 The Thomson Corporation. All rts. reserv.

0010495562 BIOSIS NO.: 199699129622

Fibronectin improves transduction of reconstituting

hematopoietic stem cells by retroviral vectors:

Evidence of direct viral binding to chymotryptic carboxy-terminal fragments

AUTHOR: Moritz Thomas; Dutt Parmesh; Xiao Xiangli; Carstanjen Dirk; Vik

Terry; Hanenberg Helmut; Williams David A (Reprint)

AUTHOR ADDRESS: Howard Hughes Med. Inst., Herman B. Wells Cent. Pediatric Res., Indiana Univ. Sch. Med., 702 Barnhill Dr., Room 2600, Indianapolis, IN 46202-5225, USA**USA

JOURNAL: Blood 88 (3): p855-862 1996 1996

ISSN: 0006-4971

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 8/3/3 (Item 1 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

12261506 PMID: 11249666

Facilitation of retrovirus-mediated gene transfer into hematopoietic stem and progenitor cells and peripheral blood T-lymphocytes utilizing recombinant fibronectin fragments.

Pollok K E; Williams D A

Herman B Wells Center for Pediatric Research, Riley Hospital for Children, Indiana University School of Medicine, 1044 West Walnut Street, Indianapolis, IN 46202-5525, USA. kpollok@iupui.edu

Current opinion in molecular therapeutics (England) Oct 1999, 1 (5) p595-604, ISSN 1464-8431--Print Journal Code: 100891485

Publishing Model Print

Document type: Journal Article; Review

Languages: ENGLISH

Main Citation Owner: NLM
Record type: MEDLINE; Completed

- end of record -

?

Display 8/3/4 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

126273262 CA: 126(21)273262d PATENT
Increasing the efficiency of transfection of animal cells by retroviruses
using proteins with domains binding the virus and the cell
INVENTOR(AUTHOR): Williams, David A.
LOCATION: USA
ASSIGNEE: Indiana University Foundation; Williams, David A.
PATENT: PCT International ; WO 9711604 A1 DATE: 19970403
APPLICATION: WO 96US15712 (19960930) *US 536891 (19950929) *US 24169
(19960819)

PAGES: 93 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A01N-043/04A; C12N-015/64B; C12N-013/00B; C12N-005/00B;
C12N-001/38B; C12N-015/00B

DESIGNATED COUNTRIES: AL; AU; BA; BB; BG; BR; CA; CN; CU; CZ; EE; GE; HU;
IL; IS; JP; KP; KR; LC; LK; LR; LT; LV; MG; MK; MN; MX; NO; NZ; PL; RO; RU;
SG; SI; SK; TR; TT; UA; US; US; UZ; VN; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

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Display 8/3/4 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

DESIGNATED REGIONAL: KE; LS; MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FI;
FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML;
MR; NE; SN; TD; TG

- end of record -

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Display 8/3/5 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

124023301 CA: 124(3)23301s PATENT
Transduction of hematopoietic cells with retrovirus-based vectors in the
presence of fibronectin
INVENTOR(AUTHOR): Williams, David A.; Patel, Vikram P.
LOCATION: USA
ASSIGNEE: Indiana University Foundation
PATENT: PCT International ; WO 9526200 A1 DATE: 951005
APPLICATION: WO 95US3817 (950327) *US 218355 (940325)
PAGES: 98 pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSIFICATIONS:

CLASS: A61K-038/00A; A61K-038/16B; A61K-038/39B; A61K-048/00B;
A61K-049/00B; C12N-015/00B; C12N-015/10B; C12N-015/48B; C12N-015/86B

DESIGNATED COUNTRIES: AM; AU; BB; BG; BR; BY; CA; CN; CZ; EE; FI; GE; HU;
JP; KG; KP; KR; KZ; LK; LR; LT; LV; MD; MG; MN; MX; NO; NZ; PL; RO; RU; SG;
SI; SK; TJ; TT; UA; US; UZ; VN DESIGNATED REGIONAL: KE; MW; SD; SZ; UG; AT
; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF;

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Display 8/3/5 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.
CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

- end of record -

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Display 8/3/6 (Item 1 from file: 135)
DIALOG(R) File 135:NewsRx Weekly Reports
(c) 2006 NewsRx. All rts. reserv.

0000009354 (USE FORMAT 7 OR 9 FOR FULLTEXT)
"Fibronectin Improves Transduction of Reconstituting
Hematopoietic Stem Cells by Retroviral Vectors: Evidence
of Direct Viral ***Binding*** to Chymotryptic Carboxy-Terminal Fragments."
Gene Therapy Weekly, September 16, 1996, p.24

DOCUMENT TYPE: Research News LANGUAGE: English
RECORD TYPE: FULLTEXT
WORD COUNT: 304

- end of record -

? e au=ueno, mitsuhiro

Ref	Items	Index-term
E1	67	*AU=UENO, MITSUHIRO
E2	3	AU=UENO, MITSUHIRO
E3	6	AU=UENO, MITSUHO
E4	2	AU=UENO, MITSUJI
E5	2	AU=UENO, MITSUKO
E6	37	AU=UENO, MITSUO
E7	8	AU=UENO, MITSURU
E8	38	AU=UENO, MITSUSHI
E9	2	AU=UENO, MITSUSI
E10	2	AU=UENO, MITSUTAKA
E11	4	AU=UENO, MITSUYASU
E12	2	AU=UENO, MITSUYOSHI

Enter P or PAGE for more

? e au=yoshioka hirofumi

Ref	Items	Index-term
E1	134	*AU=YOSHIOKA HIROFUMI
E2	2	AU=YOSHIOKA HIROHARU
E3	33	AU=YOSHIOKA HIROHIDE
E4	3	AU=YOSHIOKA HIROHIKO
E5	1	AU=YOSHIOKA HIROHISA
E6	16	AU=YOSHIOKA HIROHITO
E7	6	AU=YOSHIOKA HIROHUMI
E8	42	AU=YOSHIOKA HIROKAZU
E9	70	AU=YOSHIOKA HIROKI
E10	17	AU=YOSHIOKA HIROKO
E11	1	AU=YOSHIOKA HIROMASA
E12	8	AU=YOSHIOKA HIROMI

Enter P or PAGE for more

? e au=konishi, haruko

Ref	Items	Index-term
E1	22	AU=KONISHI, HARUHISA
E2	1	AU=KONISHI, HARUKI
E3	6	*AU=KONISHI, HARUKO
E4	30	AU=KONISHI, HARUO
E5	20	AU=KONISHI, HARUYUKI
E6	19	AU=KONISHI, HASATOSHI
E7	3	AU=KONISHI, HATSUO
E8	4	AU=KONISHI, HATSURO
E9	1	AU=KONISHI, HEN-ICHI

E10	18	AU=KONISHI, HIDEAKI
E11	5	AU=KONISHI, HIDEHIKO
E12	2	AU=KONISHI, HIDEHIRO

Enter P or PAGE for more
? e au=hashino kimikazu

Ref	Items	Index-term
E1	14	AU=HASHINO KEN'ICHI
E2	6	AU=HASHINO KENICHI
E3	37	*AU=HASHINO KIMIKAZU
E4	8	AU=HASHINO KOHTARO
E5	3	AU=HASHINO KOICHI
E6	11	AU=HASHINO KOJI
E7	37	AU=HASHINO KOTARO
E8	1	AU=HASHINO KOUJI
E9	2	AU=HASHINO KOUTARO
E10	1	AU=HASHINO KOZO
E11	5	AU=HASHINO KYOKO
E12	123	AU=HASHINO M

Enter P or PAGE for more
? e au=chono, hideto

Ref	Items	Index-term
E1	2	AU=CHONO, H.
E2	8	AU=CHONO, HIDEHARU
E3	12	*AU=CHONO, HIDETO
E4	1	AU=CHONO, K
E5	7	AU=CHONO, K.
E6	2	AU=CHONO, KATSUMI
E7	1	AU=CHONO, KOHJI
E8	28	AU=CHONO, KOJI
E9	1	AU=CHONO, KOMEI
E10	5	AU=CHONO, M
E11	15	AU=CHONO, M.
E12	21	AU=CHONO, MAKIKO

Enter P or PAGE for more
? e au=miyamura tsuyoshi

Ref	Items	Index-term
E1	31	*AU=MIYAMURA TSUYOSHI
E2	161	AU=MIYAMURA Y
E3	2	AU=MIYAMURA Y M
E4	44	AU=MIYAMURA Y.
E5	1	AU=MIYAMURA YASUHIRO
E6	2	AU=MIYAMURA YASUKO
E7	1	AU=MIYAMURA YASUO
E8	22	AU=MIYAMURA YASUTAKE
E9	1	AU=MIYAMURA YASUYOSHI
E10	2	AU=MIYAMURA YASUYUKI
E11	1	AU=MIYAMURA YOKO
E12	15	AU=MIYAMURA YOSHIJI

Enter P or PAGE for more
? e au=sano mutsumi

Ref	Items	Index-term
E1	58	*AU=SANO MUTSUMI
E2	2	AU=SANO MUTSUMU
E3	7	AU=SANO MUTSUNORI
E4	43	AU=SANO MUTSUO
E5	1	AU=SANO MUTUO

E6	5	AU=SANO MYRIAN K
E7	1733	AU=SANO N
E8	290	AU=SANO N.
E9	1	AU=SANO NAGAO
E10	15	AU=SANO NAMI
E11	1	AU=SANO NAMIO
E12	3	AU=SANO NANA

Enter P or PAGE for more

? e au= asada kiyozo

Ref	Items	Index-term
E1	94	*AU=ASADA KIYOZO
E2	2	AU=ASADA KIYOZOU
E3	1	AU=ASADA KO
E4	7	AU=ASADA KOHEI
E5	1	AU=ASADA KOHICHI
E6	1	AU=ASADA KOHITI
E7	92	AU=ASADA KOICHI
E8	69	AU=ASADA KOJI
E9	1	AU=ASADA KOKO
E10	13	AU=ASADA KOSAKU
E11	2	AU=ASADA KOSHIRO
E12	1	AU=ASADA KOSUKE

Enter P or PAGE for more

? e au=fujinaga kei

Ref	Items	Index-term
E1	188	*AU=FUJINAGA KEI
E2	1	AU=FUJINAGA KEN' ICHI
E3	2	AU=FUJINAGA KENJI
E4	2	AU=FUJINAGA KENTARO
E5	23	AU=FUJINAGA KIYOHISA
E6	1	AU=FUJINAGA KM
E7	6	AU=FUJINAGA KO
E8	84	AU=FUJINAGA KOH
E9	7	AU=FUJINAGA KOICHIRO
E10	7	AU=FUJINAGA KOJI
E11	4	AU=FUJINAGA KOSAKU
E12	1	AU=FUJINAGA KUNIKO

Enter P or PAGE for more

? e au=kato ikunoshin

Ref	Items	Index-term
E1	9	AU=KATO IKUMI
E2	2	AU=KATO IKUNOSHI
E3	614	*AU=KATO IKUNOSHIN
E4	5	AU=KATO IKUNOSIN
E5	5	AU=KATO IKUNOSUKE
E6	164	AU=KATO IKUO
E7	2	AU=KATO IKURO
E8	1	AU=KATO IKUYASU
E9	3	AU=KATO IKUYO
E10	2	AU=KATO IKUYOSHI
E11	3	AU=KATO ILKA TIEMY
E12	1	AU=KATO INAGAKI T.Y.

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